

# Acoustic Baffles

SOUND ABSORBERS



NBS Source  
PARTNER

Datasheet 50



## The Products

Sound absorbing acoustic baffles designed to achieve a wide range of desired reverberation reduction and aesthetic results. These panels made from acoustic core board are effective sound absorbers in large spaces.

## Sizes, Colours and Finishes

Available in a choice of sizes dependent on panel core required. The standard Cara and Lucia fabrics both meet the requirements of Class 1 Surface Spread of Flame when tested to BS476:Part 7 1997. Thermal conductivity: 0.035 W/mk @ 10°C. Various thicknesses available all to BS Absorber Classification A & C.

## Typical Applications

Call Centres, Sports Halls, Children's Nurseries, High Hygiene Areas, Industrial and Manufacturing Plant Rooms, Engineering Workshops.

## Building Regulation Classification

| Product             | Thickness mm | Absorber Classification<br>(When tested to<br>BS EN ISO 11654-1997) |
|---------------------|--------------|---------------------------------------------------------------------|
| Acoustic<br>Baffles | 25           | C                                                                   |
|                     | 40           | A                                                                   |
|                     | 50           | A                                                                   |

Domestic Dwellings | Offices | Hotels | Conference Centres | Leisure Centres | Schools | Restaurants | Showrooms



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## The Products

The range features fabric covered baffles wrapped in a choice of colours. Baffles are manufactured from acoustic core board and are designed to absorb high levels of reflective noise within a room to create a comfortable acoustic environment.

Choice of baffle thickness is based on the calculated reverberation times in relation to the wall or ceiling area available.

## Acoustic Baffle Sound Absorbers

The Acoustic Baffles can be adapted to suit ceiling space limitations and meet acoustic requirements. They are used to hang from ceilings for architectural effect or where complete ceiling coverage is impractical. Ideal solution where available wall space is limited preventing the installation of traditional wall panels. All baffles are available in standard or bespoke sizes based on straight edged shapes, i.e. square or rectangular in 25mm, 40mm and 50mm thicknesses. Light weight to handle and particularly useful for covering large ceiling areas. Vertical baffles are fully fabric covered leaving none of the core material exposed, horizontal baffles are fabric covered to the visible panel face and edges only.

## Colours and Finishes

JCW offer two fabric ranges as standard; Cara fabric has an open hessian weave appearance while Lucia fabric provides a crepe texture finish.

## Fire Performance

The Cara and Lucia fabrics all meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7 1997.

**Thermal Conductivity:** 0.033 Wm/K @ 10°C

## Packaging, Handling and Storage

All panels should be stored inside and under cover in a dry, well ventilated area protected from dirt and dust. Pallets and crates should be kept level and not double stacked. To avoid soiling the fabric, great care must be taken when handling.

## Application and Fixing

JCW Acoustic Supplies can offer all necessary suspension wires and fixings to allow for full installation of Acoustic Baffles.

## Care and Maintenance

Panels can be cleaned periodically with a low powered vacuum cleaner. Under no circumstances should they be cleaned using water. Stains can be touched out with an appropriate cleaning solution applied in accordance with manufacturers instructions.

## Availability

Panels are available to order and should only be fitted by suitably qualified tradesmen or specialist contractors.

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